

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5930707

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
EHREN MANNEBACH	11/11/2019
AARON LILAK	11/13/2019
HUI JAE YOO	11/11/2019
PATRICK MORROW	11/11/2019
KEVIN L. LIN	11/11/2019
TRISTAN TRONIC	01/07/2020
RECEIVING PARTY DATA	
Name:	Intel Corporation
Street Address:	2200 Mission College Boulevard
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95054
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16455659
CORRESPONDENCE DATA	
Fax Number:	(503)796-2900
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	(503) 222-9981
Email:	svillarreal@schwabe.com
Correspondent Name:	JUSTIN K. BRASK
Address Line 1:	1211 SW 5TH AVENUE, STE. 1600
Address Line 4:	PORTLAND, OREGON 97204
ATTORNEY DOCKET NUMBER:	AB9074-US 111548-246121
NAME OF SUBMITTER:	JUSTIN K. BRASK
SIGNATURE:	/Justin K. Brask/
DATE SIGNED:	01/27/2020
Total Attachments: 2	

source=AB9074-US_ASSIGN_Executed#page1.tif

source=AB9074-US_ASSIGN_Executed#page2.tif

PATENT

REEL: 051631 FRAME: 0585

Attorney's Docket No.: **AB9074-US 111548-246121**

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

**Ehren MANNEBACH, Aaron LILAK, Hui Jae YOO, Patrick MORROW, Kevin L. LIN and
Tristan TRONIC**

hereby sell, assign, and transfer to

Intel Corporation

a Corporation of **Delaware**, having a principal place of business at:
2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee")
and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled

DEVICE INCLUDING AIR GAPPING OF GATE SPACERS AND OTHER DIELECTRICS AND PROCESS FOR PROVIDING SUCH

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

US or International Application Number 16/455,659 filed June 27, 2019,

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and


AB9074-US 111548-246121

Page 1 of 2

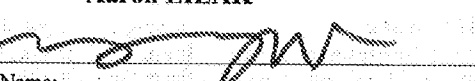
PATENT
REEL: 051631 FRAME: 0586

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

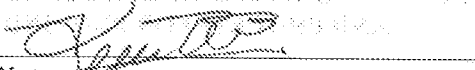
Each Inventor: Please Sign and Date Below:

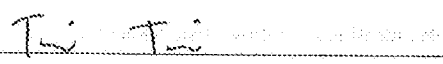
11/11/2019 
Date Name: **Ehren MANNEBACH**

11/13/2019 
Date Name: **Aaron LILAK**

11/11/2019 
Date Name: **Hui Jac YOO**

11/11/2019 
Date Name: **Patrick MORROW**

11/11/2019 
Date Name: **Kevin L. LIN**

1/7/2020 
Date Name: **Tristan TRONIC**

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Assignment Document Return Address:
Schwabe, Williamson & Wyatt P.C.
1211 SW 5th Avenue, Suite 1900
Portland, OR 97204
Telephone: (503) 222-9981

AB9074-US 111548-246121

Page 2 of 2